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Search Results -

Terms	Documents
overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	1

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 collision)

1

L1

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Refine Search

Search Results -

Terms	Documents
(overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus same (detect\$3 near3 collision)	9

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<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L3</u>	(overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L3</u>
<u>L2</u>	overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L2</u>
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
<u>L1</u>	overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	1	<u>L1</u>

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Search Results -

Terms	Documents
L6 and ((detect\$3 near5 collision\$1) same block\$3)	8

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<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L8</u> L6 and ((detect\$3 near5 collision\$1) same block\$3)	8	<u>L8</u>
<u>L7</u> L6 and (detect\$3 near5 collision\$1)	21	<u>L7</u>
<u>L6</u> l4 and L5	171	<u>L6</u>
<u>L5</u> 710/18,29- 32,38,100,106,305;709/249,233,231,250,201,238;370/912,423,252,229- 235;712/28-30.ccls.	14483	<u>L5</u>
<u>L4</u> (overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus	2299	<u>L4</u>
<u>L3</u> (overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L3</u>
<u>L2</u> overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L2</u>
<i>DB=PGPB; PLUR=YES; OP=OR</i>		
<u>L1</u> overflow\$3 same (data or infoimation) same bus same (detect\$3 near3	1	<u>L1</u>

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	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

Term:	L6 and (detect\$3 near5 collision\$1)		
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Display:	<input type="text" value="10"/> Documents in Display Format: <input type="text" value="-"/>	Starting with Number <input type="text" value="1"/>
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Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

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<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L7</u> L6 and (detect\$3 near5 collision\$1)	21	<u>L7</u>
<u>L6</u> l4 and L5 710/18,29-	171	<u>L6</u>
<u>L5</u> 32,38,100,106,305;709/249,233,231,250,201,238;370/912,423,252,229- 235;712/28-30.ccls.	14483	<u>L5</u>
<u>L4</u> (overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus	2299	<u>L4</u>
<u>L3</u> (overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L3</u>
<u>L2</u> overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L2</u>
<i>DB=PGPB; PLUR=YES; OP=OR</i>		
<u>L1</u> overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	1	<u>L1</u>

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Search Results -

Terms	Documents
(709/249 709/233 709/231 709/250 709/201 709/238 370/912 370/423 370/252 370/229 370/230 370/230.1 370/231 370/232 370/233 370/234 370/235 712/28 712/29 712/30 710/18 710/29 710/30 710/31 710/32 710/38 710/100 710/106 710/305).ccls.	14483

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<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L5</u> 710/18,29-32,38,100,106,305;709/249,233,231,250,201,238;370/912,423,252,229-235;712/28-30.ccls.	14483	<u>L5</u>
<u>L4</u> (overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus	2299	<u>L4</u>
<u>L3</u> (overflow\$3 or (over adj1 flow\$3)) same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L3</u>
<u>L2</u> overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	9	<u>L2</u>
<i>DB=PGPB; PLUR=YES; OP=OR</i>		
<u>L1</u> overflow\$3 same (data or infoimation) same bus same (detect\$3 near3 collision)	1	<u>L1</u>

Freeform Search

Database:	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins
Term:	L1 same (overflow\$3 or (over adj1 flow\$3)) same collision same detection
Display:	<input type="text" value="10"/> Documents in Display Format: <input type="text" value="-"/> Starting with Number <input type="text" value="1"/>
Generate: <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

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<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L5</u>	L1 same (overflow\$3 or (over adj1 flow\$3)) same collision same detection	1	<u>L5</u>
<u>L4</u>	L1 same overflow\$3 same collision same detection	1	<u>L4</u>
<u>L3</u>	L1 same overflow\$3 same (collision near5 detection)	1	<u>L3</u>
<u>L2</u>	L1 same overflow\$3 same (collision near5 detection)	5	<u>L2</u>
<u>L1</u>	(HDLIC or (high adj1 level data adj1 link adj1 control\$2) or ITU or ISDN) same protocol	25889	<u>L1</u>

END OF SEARCH HISTORY



- Drafts
- Pending
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 - L1: (549) (overflow\$3 or (
 - L2: (2) 11 same (detect\$3
- Failed
- Saved
- Favorites
- Tagged (0)
- UDC
- Queue

DBs

USPAT

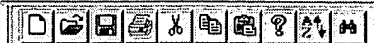
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OR

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1	BRS	L1	549	(overflow\$3 or (over adj1 flow\$3)) same (deta or	USPAT	2006/12/19 14:07				
2	BRS	L2	2	11 same (detect\$3 near4 collision\$1)	USPAT	2006/12/19 14:08				



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- ☐ Pending
- ☒ Active
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 - ☒ L2: (2) 11 same (detect\$3
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- ☐ Saved
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- ☐ Tagged (0)
- ☐ UDC
- ☐ Queue

DBs: USPAT

☒ Plurals

Default operator: OR

☒ Highlight all hit terms initially

11 same (detect\$3 near4 collision\$1)

☒ BRS form ☒ IS&R form ☒ Image ☒ Text ☒ HTML

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef R
1	<input type="checkbox"/>	<input type="checkbox"/>	US 5742786 A	19980421	265	Method and apparatus for storing vector data in	711/217	
2	<input type="checkbox"/>	<input type="checkbox"/>	US 5572689 A	19961105	265	Data processing system and method thereof	712/200	

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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IEE CNF IEE Conference Proceeding

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 Khalife, H.; Malouch, N.;
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[Intelligent Transportation Systems, 2000. Proceedings. 2000 IEEE](#)
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 Digital Object Identifier 10.1109/ITSC.2000.881119
[AbstractPlus](#) | Full Text: [PDF](#)(392 KB) IEEE CNF
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- ☐ 3. **Random time and frequency hopping for unslotted asynchronous access**
 Csibi, S.; Gyorfi, L.;
[Spread Spectrum Techniques and Applications Proceedings, 1996.. IEEE 4th](#)
[Symposium on](#)
 Volume 3, 22-25 Sept. 1996 Page(s):1123 - 1127 vol.3
 Digital Object Identifier 10.1109/ISSSTA.1996.563480
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- ☐ 4. **An adaptive random access protocol for the collision channel without ret**
 Thomas, G.; Champagne, S.; Miller, J.;
[Southeastcon '90. Proceedings., IEEE](#)
 1-4 April 1990 Page(s):322 - 325 vol.1
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[AbstractPlus](#) | Full Text: [PDF](#)(332 KB) IEEE CNF
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- ☐ 5. **A coordinated location policy for load sharing in hypercube-connected m**
 Shin, K.G.; Yi-Chieh Chang;
[Computers, IEEE Transactions on](#)
 Volume 44, Issue 5, May 1995 Page(s):669 - 682

Digital Object Identifier 10.1109/12.381952

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- ☐ **6. Contention-free communication scheduling on 2D meshes**
Eberhart, A.; Jingke Li;
[Parallel Processing, 1996., Proceedings of the 1996 International Conference](#)
Volume 1, 12-16 Aug. 1996 Page(s):44 - 51 vol.1
Digital Object Identifier 10.1109/ICPP.1996.537142
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- ☐ **7. Registration based multiple access with statistical TDMA in microcellular**
Kanghoon Lee; Shin, J.G.; Chakravarthy, C.V.;
[Circuits and Systems, 1995., Proceedings of the 38th Midwest S](#)
Volume 1, 13-16 Aug. 1995 Page(s):530 - 533 vol.1
Digital Object Identifier 10.1109/MWSCAS.1995.504493
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Ng, S.; Mark, J.;
[Communications, IEEE Transactions on \[legacy, pre - 1988\]](#)
Volume 25, Issue 1, Jan 1977 Page(s):128 - 135
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- ☐ **9. Dynamic Behavior of a CSMA-CD System with a Finite Population of Buff**
Tasaka, S.;
[Communications, IEEE Transactions on \[legacy, pre - 1988\]](#)
Volume 34, Issue 6, Jun 1986 Page(s):576 - 586
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Takanashi, H.; Kayama, H.; Iizuka, M.; Morikura, M.;
[Communications, 1998. ICC 98. Conference Record. 1998 IEEE International C](#)
Volume 3, 7-11 June 1998 Page(s):1622 - 1626 vol.3
Digital Object Identifier 10.1109/ICC.1998.683103
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- ☐ **11. A flow control framework for improving throughput and energy efficiency based wireless multihop networks**
Pathmasuntharam, J.S.; Das, A.; Mohapatra, P.;
[World of Wireless, Mobile and Multimedia Networks, 2006. WoWMoM 2006. In](#)
[Symposium on a](#)
26-29 June 2006 Page(s):7 pp.
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Registration based multiple access with statistical TDMA microcellular environment

[Kanghoon Lee](#) [Shin, J.G.](#) [Chakravarthy, C.V.](#)

Dept. of Electr. Eng. & Comput. Sci., Stevens Inst. of Technol., Hoboken, NJ, USA;

This paper appears in: [Circuits and Systems, 1995., Proceedings., Proceedings of the Symposium on](#)

Publication Date: 13-16 Aug. 1995

Volume: 1

On page(s): 530 - 533 vol.1

Meeting Date: 08/13/1995 - 08/16/1995

Location: Rio de Janeiro

INSPEC Accession Number: 5329464

Digital Object Identifier: 10.1109/MWSCAS.1995.504493

Posted online: 2002-08-06 19:59:28.0

Abstract

We propose a pre-registration based packet reservation multiple access method (Regi-PMA) for a digital micro cellular environment. With registration, collisions and overflow of information are reduced in heavy traffic conditions. Reservation for speech terminals precedes information. Voice activity factor is applied to the Regi-PMA to maximize channel utilization over the entire service area.

Index Terms

Indexing

Controlled Indexing

[cellular radio](#) [packet reservation multiple access](#) [telecommunication congestion](#) [time division multiple access](#)

Non-controlled Indexing

[heavy traffic conditions](#) [information channel collisions](#) [information channel overflow](#) [information channel setup](#) [microcellular environment](#) [preregistration based packet reservation multiple access](#) [registration based multiple access](#) [speech terminals](#) [statistical TDMA](#) [voice activity factor](#)

Author Keywords

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Registration based multiple access with statistical TDMA in microcellular environment

Kanghoon Lee, Shin, J.G., Chakravarthy, C.V.
Dept. of Electr. Eng. & Comput. Sci., Stevens Inst. of Technol., Hoboken, NJ, USA;

This paper appears in: [Circuits and Systems, 1995., Proceedings., Proceedings of the 38th Midwest Symposium on](#)

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